

Amendments to the Claims:

1. (Amended herein) A base station transceiver system (BTS) in communication with a mobile station (MS) and with a base station controller (BSC), comprising:

~~circuitry that defines logic to prompt the BTS to transmit a signal to the BSC representing a previous transmission's forward gain level;~~

circuitry that defines logic that prompts BTS to generate a sequence number that relates to the previous forward link transmission forward-gain level and to transmit the sequence number with the status signal to the BSC; and

circuitry for receiving and processing power gain commands from the mobile station;

circuitry for receiving and processing power gain commands from the BSC wherein the power gain commands from the BSC are made in relation to the previous forward link transmission as identified by the sequence number; and

circuitry that defines logic for comparing power gain commands received from the BSC in relation to transmitted power gain levels and for adjusting the BTS's forward gain level for a subsequent transmission wherein the gain level adjustment is based upon a difference between the commanded gain level and the gain level for the previous forward link transmission as identified by the sequence number and further wherein the difference is added to a current gain level.

2. (Amended herein) The BTS of claim 1 wherein the circuitry that defines logic for adjusting the BTS power gain level also defines logic for adjusting the BTS power gain level according to power control commands received from the MS in relation to the sequence number.

3. (Original) The BTS of claim 1 wherein the circuitry that defines logic for adjusting the BTS's power gain level in a manner that previous power control commands received from the mobile station are not erased as a result of the BTS receiving a power gain command from the BSC.

4. (Original) The BTS of claim 1 wherein the circuitry that defines logic for adjusting the BTS's power gain level includes a processor coupled to communicate with a memory wherein the memory includes computer instructions that define the operational logic for adjusting the BTS's power gain level.

5. (Original) The circuitry of claim 4 wherein the circuitry that defines logic for adjusting the BTS's power gain level includes logic circuitry whereby the logical operation of the circuitry is defined in hardware.

6. (Original) A method for adjusting power gain levels for forward link transmissions for a BTS, comprising:

transmitting a forward gain status signal to a BSC, which forward gain status signal includes a first portion defining a forward gain level and a second portion that defines a sequence number;

receiving at least one power control command from a mobile station;

receiving a power gain command from the BSC, which power gain command comprises a first portion defining a commanded power gain level and a second portion including the sequence number; and

adjusting the power gain level.

7. (Original) The method of claim 6 wherein the step of adjusting the power gain level includes determining a difference between the first portion of the power gain status signal and the first portion of the commanded power gain level.

8. (Original) The method of claim 7 wherein the step of adjusting the power gain level includes receiving a power control command from a mobile station and adjusting the power gain level responsive to the power control command from the mobile and responsive to the commanded power gain level from the BSC.

9. (Original) The method of claim 7 wherein the step of adjusting the power gain level includes receiving a plurality of power control command from a mobile station since the status signal was transmitted and adjusting the power gain level responsive to the plurality of power control commands from the mobile station and responsive to the commanded power gain level from the BSC.

10. (Original) The method of claim 6 wherein the step of adjusting the power gain level includes receiving a plurality of commanded power gain level signals from the BSC and determining a difference between the first portion of the last two received commanded power gain level signals wherein the power gain level is adjusted responsive to the determined difference.

11. (Original) The method of claim 10 further including the step of only adjusting a power gain level responsive to a mobile station request if a commanded power gain level from the BSC is equal to a reported value or an adjusted value for a given sequence number transmission.

12. (Amended herein) A method in a base station transceiver system (BTS) for adjusting a forward gain of a forward link, comprising:

transmitting a plurality of status signals to a base station controller (BSC) that include a sequence number and a corresponding forward link transmission power level for a transmission to a mobile station;

receiving from the BSC at least one power gain command signal wherein each received power gain command signal corresponds to one of the previously transmitted status signals;

receiving at least one power control command from a mobile station; and

adjusting the forward gain of the forward link responsive to the at least one power gain command and to the at least one power control command based upon a difference between a BSC commanded power level and forward link transmission power level corresponding to the sequence number to prevent erasure of mobile station commanded power levels.

13. (Original) The method of claim 12 wherein the method includes receiving a first power gain command and wherein the power gain is adjusted to be a sum of a difference between the first power gain command and a forward gain value defined within the status signal.

14. (Original) The method of claim 13 wherein the method includes receiving a second

power gain command and wherein the power gain is adjusted to be a sum of the difference between the first and the second power gain commands.

15. (Original) The method of claim 12 wherein a plurality of power control commands are received from the mobile station and wherein the power gain level is adjusted responsive to the plurality of power control commands and the first power gain command.

16. (Amended herein) A method for adjusting a forward gain level for a forward link in a wireless communication network, comprising:

receiving a first two part power gain level command from a base station controller, the first two part power gain level command including a power gain level and a sequence number;

receiving a second two part power gain level command from a mobile station, the second two part power gain level command including a power gain level and a sequence number; and

adjusting the power gain level responsive to based upon a difference between the first two part power gain level command and the second two part power gain level command.

17. (Original) The method of claim 12 wherein the power gain level is adjusted to add the difference of the values of the power gain level specified in the first two part power gain level command and in a corresponding forward gain value.

18. (Original) The method of claim 17 further including receiving a second two part power gain level command wherein a current power gain level is adjusted by adding the difference between the commanded power gain levels of the first and second two part power gain

level commands.

19. (Amended herein) A method for adjusting a power gain level for a forward link in a wireless communication network, comprising:

receiving a power gain command from a BSC that is based upon a prior forward link transmission as identified by a first sequence number;

receiving at least one power command signal from a mobile station that is based upon a prior forward link transmission as identified by a second sequence number; and

adjusting the power gain level based upon a difference in responsive to the power gain command from the BSC and the prior forward link transmission power level without disregarding and to the at least one power command signals from the mobile station.

20. (Original) The method of claim 19 further including receiving a second power gain command from the BSC wherein the adjusting step includes adjusting the power gain level responsive to the at least one power command signals from the mobile station and to a difference between the first and second power gain commands.